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RESEARCH ARTICLE



Android Based Meter Reading Using OCR

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Abstract—Meter reading and billing are complex tasks of electricity, water and gas supplier companies. The current technology of billing process uses manual process of meter reading, updating the server with reading and billing customer. We are suggesting a technology that includes android application and web application to get reading, updating server and inform consumers about bill units and amount. Android application is used to get the readings from the meter automatically by simply capturing the image of the meter and then performing the OCR technique on the captured image in android app which is nothing but “optical character recognition”. The output of OCR is meter reading from image which is then send to the server. The customer will receive a mail regarding the bill as soon as the photo is been clicked. With the help of web application customer can view his bill and make payment online, customer can also lodge complaint if any. New features are also added that will reduce workload on company and their employees.

Keywords: *Meter reading, Optical Character Recognition*

Full Text: <http://www.ijcsmc.com/docs/papers/March2014/V3I3201412.pdf>